Manner: NATURAL

The Medical Examiner assumes jurisdiction over deaths that are classified as natural due to the sudden and unexpected nature of the death in an apparently healthy individual, when there is no physician who has knowledge or awareness of the decedent's condition, when there is no next of kin to make disposition, or when there are suspicious circumstances surrounding the death. In these situations, the Medical Examiner becomes responsible for certification of death. It should be stressed that the natural deaths the Medical Examiner investigates may not be representative of all natural deaths in the general population, due to the possibility that jurisdictional considerations introduce significant bias.

In 2006, the King County Medical Examiner assumed jurisdiction over 752 deaths attributed to natural causes, representing 37% (752/2,055) of the cases investigated. The King County Medical Examiner certified 81% (609/752) of these deaths; attending physicians who had knowledge of the decedent's medical condition certified 19% (143/752). It should be noted that when a death is initially reported, there may be no evidence of an attending physician; a thorough scene investigation often reveals that the deceased did, in fact, have a physician with knowledge of the decedent's medical condition. That physician would then be contacted to certify the death. The King County Medical Examiner performed autopsies in 74% (448/609) of the deaths certified as natural, which included autopsies performed in all 17 deaths from Sudden Infant Death Syndrome (SIDS).

The data presented in this section are derived from the 752 natural deaths in which the King County Medical Examiner assumed jurisdiction. Cardiovascular disease accounted for the greatest proportion of natural deaths. Most deaths in which an autopsy was not performed were certified as due to "probable arteriosclerotic cardiovascular disease."

Page 52	King County Medical Examiner's Office – 2006 Annual Report					
Table 5-1	Disease Processes Causing Natural Deaths / KCME / 2006					
NUMBER OF DEATHS	DISEASE DESCRIPTION					
	CARDIOVASCULAR					
3	Aortic Aneurysm					
11	Aortic Dissection					
196	Arteriosclerotic Cardiovascular Disease (ASCVD)					
4	Bacterial Endocarditis					
3	Cardiac Dysrhythmia					
20	Cardiomyopathy					
1	Congenital Heart Disease					
3	Congestive Heart Failure					
59	Hypertensive ASCVD / Hypertensive Heart Disease					
4	Myocarditis					
11	Probable Arteriosclerotic Cardiovascular Disease					
3	Valvular Heart Disease					
1	Other					
424	TOTAL CARDIOVASCULAR					
	CENTRAL NERVOUS SYSTEM					
10	Epilepsy (idiopathic & other non-traumatic etiologies)					
2	Infarct					
2	Meningitis					
16	Spontaneous Intracerebral Hemorrhage					
15	Spontaneous Rupture of Aneurysm					
17	Other					
62	TOTAL CENTRAL NERVOUS SYSTEM					
	ENDOCRINE					
5	Diabetic Ketoacidosis					
21	Diabetes Mellitus					
1	Pancreatitis					
1	Other					
28	TOTAL ENDOCRINE					
	GASTROINTESTINAL					
1	Bacterial Peritonitis					
2	Gastrointestinal Hemorrhage					
3	Obstruction					
4	Perforating Ulcer					
3	Other					
13	TOTAL GASTROINTESTINAL					

Table 5-1 Disease Processes Causing Natural Deaths / KCME / 2006 (continued)

l able 5-1 L	Disease Processes Causing Natural Deaths / KCME / 2006 (continued)
NUMBER OF DEATHS	DISEASE DESCRIPTION
	HEPATIC
3	Cirrhosis
1	Fatty Liver
1	Hepatic Failure
7	Hepatitis
0	Other
12	TOTAL HEPATIC
	MALIGNANCY
5	Breast
4	Colon
11	Lung
0	Pancreas
1	Prostate
2	Rectum
17	Other
40	TOTAL MALIGNANCY
	OTUED DD 0050050
07	OTHER PROCESSES
37	Chronic Ethanolism (Alcoholism)
4	Chronic Renal Disease
5	HIV / AIDS
1	Infection
3	Labor / Delivery / Prematurity
17	Necrotizing fasciitis
7	No Anatomic or Toxicologic Cause of Death
12	Sepsis
8	Other TOTAL OTHER PROCESSES
94	TOTAL OTHER PROCESSES
	RESPIRATORY
1	Asthma
19	Chronic Obstructive Pulmonary Disease
24	Pneumonia
13	Pulmonary Thromboembolus
5	Other
62	TOTAL RESPIRATORY

752

Table 5-1 Disease Processes Causing Natural Deaths / KCME / 2006 (continued)

NUMBER OF DEATHS	DISEASE DESCRIPTION
	SUDDEN INFANT DEATH SYNDROME (SIDS)
17	SIDS
328	TOTAL Non-Cardiovascular Cause of Death
424	TOTAL Cardiovascular Cause of Death

Total NATURAL DEATHS under KCMEO Jurisdiction, 2006

Graph 5-1 Deaths due to Natural Causes / King County Medical Examiner / 2006

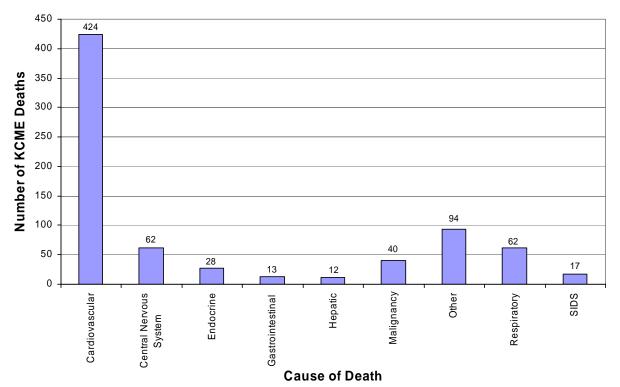
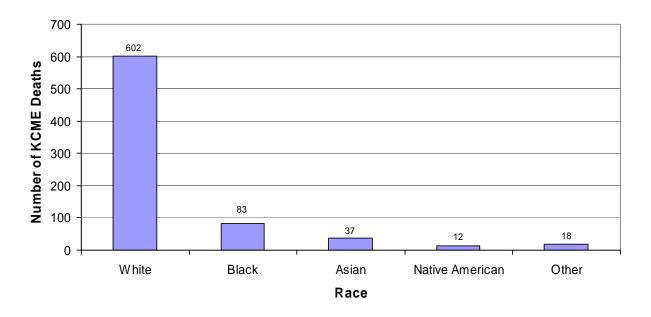


Table 5-2 Natural Deaths / Race / Sex / King County Medical Examiner / 2006

DISEASE			RACE				
PROCESS / SEX	WHITE	BLACK	ASIAN	NATIVE AMERICAN	OTHER	SUB TOTAL	TOTAL
Cardiovascular	354	34	22	4	10		424
Male	250	27	15	3	7	302	
Female	104	7	7	1	3	122	
Central Nervous	46	9	3	2	2		62
Male	26	8	1	1	1	37	
Female	20	1	2	1	1	25	
Endocrine	19	8	1	0	0		28
Male	12	8	0	0	0	20	
Female	7	0	1	0	0	8	
Gastrointestinal	11	2	0	0	0		13
Male	9	1	0	0	0	10	
Female	2	1	0	0	0	3	
Hepatic	9	2	1	0	0		12
Male	7	1	0	0	0	8	
Female	2	1	1	0	0	4	
Malignancy	30	4	4	0	2		40
Male	19	3	4	0	0	26	
Female	11	1	0	0	2	14	
Other	72	13	1	4	4		94
Male	51	10	0	2	2	65	
Female	21	3	1	2	2	29	
Respiratory	50	8	3	1	0		62
Male	35	5	2	1	0	43	
Female	15	3	1	0	0	19	
SIDS	11	3	2	0	0		17
Male	7	2	1	0	0	10	
Female	4	1	1	1	0	7	
Totals	602	83	37	12	18		752
Percent	80%	11%	5%	1.6%	2.4%		100%

Graph 5-2 Natural Deaths / Race / King County Medical Examiner / 2006



Graph 5-3 Natural Deaths / Age Group / King County Medical Examiner / 2006

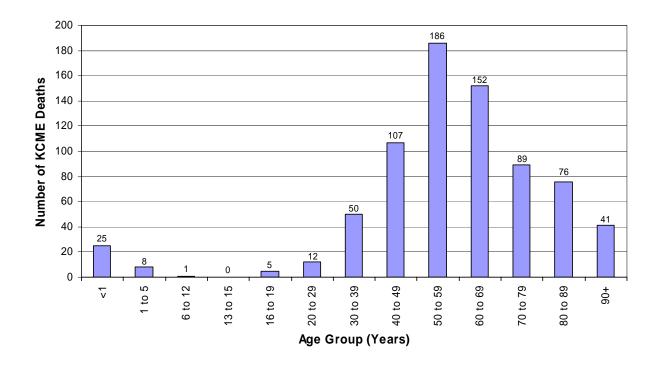


Table 5-3 Natural Deaths / Age / Sex / King County Medical Examiner / 2006

Table 5 5	140	atart	<u> </u>	uillo	, <u> </u>	,	, CX /	ixiiig	Jour	ity ivic	Jaioui	Xui		. , 2000	,
						GE (GROL	JP (YE	EARS)					_	
DISEASE PROCESS/ SEX	< 1	1 to 5	6 to 12	13 to 15	16 to 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 +	SUB TOTAL	TOTAL
Cardiovascular	0	0	0	0	1	3	26	51	95	99	67	52	29		424
Male	0	0	0	0	0	2	23	42	80	83	35	29	8	302	
Female	0	0	0	0	1	1	3	9	15	16	32	23	21	12	
Central Nervous	2	2	1	0	3	3	8	11	10	6	4	7	5		62
Male	2	1	1	0	3	2	5	7	8	1	1	2	4	37	
Female	0	1	0	0	0	1	3	4	2	5	3	5	1	25	
Endocrine	0	0	0	0	0	0	3	7	9	4	4	1	0		28
Male	0	0	0	0	0	0	3	5	6	2	4	0	0	20	
Female	0	0	0	0	0	0	0	2	3	2	0	1	0	8	
Gastrointestinal	0	0	0	0	0	0	1	0	7	2	0	1	2		13
Male	0	0	0	0	0	0	1	0	7	2	0	0	0	10	
Female	0	0	0	0	0	0	0	0	0	0	0	1	2	3	
Hepatic	0	0	0	0	0	0	1	2	6	2	1	0	0		12
Male	0	0	0	0	0	0	0	1	5	2	0	0	0	8	
Female	0	0	0	0	0	0	1	1	1	0	1	0	0	4	
Malignancy	0	0	0	0	1	1	0	3	7	17	7	3	1		40
Male	0	0	0	0	0	1	0	3	4	12	4	1	1	26	
Female	0	0	0	0	1	0	0	0	3	5	3	2	0	14	
Other	6	3	0	0	0	1	6	27	33	14	0	1	3		94
Male	6	1	0	0	0	1	1	22	21	10	0	1	2	65	
Female	0	2	0	0	0	0	5	5	12	4	0	0	1	29	
Respiratory	0	2	0	0	0	4	5	6	19	8	6	11	1		62
Male	0	1	0	0	0	4	2	4	14	6	4	7	1	43	
Female	0	1	0	0	0	0	3	2	5	2	2	4	0	19	
SIDS	17	0	0	0	0	0	0	0	0	0	0	0	0		17
Male	10	0	0	0	0	0	0	0	0	0	0	0	0	10	
Female	7	0	0	0	0	0	0	0	0	0	0	0	0	7	
Totals	25	8	1	0	5	12	50	10 7	18 6	15 2	89	76	41		752
Percent	3.3	1.1	0.1	0	0.7	1.6	6.6	14.3	24.7	20.2	11.8	10.1	5.5		100%

Table 5-4 Natural Deaths / Sex / King County Medical Examiner / 2006

	S		
CIRCUMSTANCES	MALE	FEMALE	TOTAL
Cardiovascular	302	122	424
Central Nervous	37	25	62
Endocrine	20	8	28
Gastrointestinal	10	3	13
Hepatic	8	4	12
Malignancy	26	14	40
Other	65	29	94
Respiratory	43	19	62
SIDS	10	7	17
Totals	521	231	752
Percent	69%	31%	100%

Table 5-5 Natural Deaths / Blood Alcohol / King County Medical Examiner / 2006

	TE	STED	NOT		
METHOD	POSITIVE	NEGATIVE	TESTED	TOTAL	
Cardiovascular	52	232	140	424	
Central Nervous System	1	34	27	62	
Endocrine	2	11	15	28	
Gastrointestinal	1	9	3	13	
Hepatic	1	4	7	12	
Malignancy	0	14	26	40	
Other Processes	12	51	31	94	
Respiratory	0	35	27	62	
SIDS	0	17	0	17	
Totals	69	407	276	752	
Percent	9%	54%	37%	100%	